

10/574547

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/02/03621

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B7/06 H04B7/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ETSI TS 125 211 V4.3.0: "Physical channels and mapping of transport channels onto physical channels (FDD); (3FPP TS 25.211 version 4.3.0 Release 4)" UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS), [Online] December 2001 (2001-12), XP002239180 Retrieved from the Internet: <URL:http://www.etsi.org> [retrieved on 2003-04-24] See Sections 5.2.2.2.1; 5.3.1	1,7-9, 15,16
Y	---	2-6, 10-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed

"™" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

24 March 2003

Date of mailing of the international search report

19. 05. 2003

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International Application No.  
PCT/02/03621

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MOGENSEN P E ET AL: "On antenna- and frequency diversity in GSM related systems (GSM-900, DCS-1800, and PCS1900)" SEVENTH IEEE INTERNATIONAL SYMPOSIUM ON PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS. PIMRC'96 (CAT. NO.96TH8240), PROCEEDINGS OF PIMRC '96 - 7TH INTERNATIONAL SYMPOSIUM ON PERSONAL, INDOOR, AND MOBILE COMMUNICATIONS, TAIPEI, TAIWAN, 15-18 OCT. 1, pages 1272-1276 vol.3, XP002239181 1996, New York, NY, USA, IEEE, USA ISBN: 0-7803-3692-5 See Sections I,II,III	2-4, 10-12
Y	--- FRIEDLANDER B ET AL: "Beamforming vs. transmit diversity in the downlink of a cellular communications system" CONFERENCE RECORD OF THIRTY-FIFTH ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS AND COMPUTERS (CAT.NO.01CH37256), CONFERENCE RECORD. THIRTY-FIFTH ASILOMAR CONFERENCE ON SIGNALS, SYSTEMS AND COMPUTERS, PACIFIC GROVE, CA, USA, 4-7 NOV. 2001, pages 1014-1018 vol.2, XP002239182 2001, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-7147-X See Sections 1,2.1,2.2,4	2,3,5,6, 10,11, 13,14
Y	--- EP 0 749 216 A (SIP) 18 December 1996 (1996-12-18)  page 1, line 27 -page 3, line 7 abstract; claim 1	2,3,5,6, 10,11, 13,14
A	--- US 4 513 412 A (COX DONALD C) 23 April 1985 (1985-04-23) page 1, line 60 -page 2, line 24; claim 8	1-16

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